

Technical Data Sheet



ALTECH PA66 A 2015/510 GF15 IM

Base Polymer	Polyamide 66
Filler/Additive System	15 % glass fibres
Colour	black,natural color
Special Features	high heat stabilised,UV stabilised,impact modified
Market Segment	Automotive,building and construction
Application Area	injection moulded parts,interior decoration / finishing,exterior parts
Typical Applications	housings

Pre-Drying Conditions 80 °C in a dry air (dessiccant) dryer
for 2-12 h
dependant on moisture content
max. moisture content <0,15 %

Processing Injection Moulding melt temperature 280-300 °C
mould temperature 80-120 °C

Storage dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	4900 / 3000	MPa	ISO 178
Flexural Strength	180 / 110	MPa	ISO 178
Tensile Modulus	5500 / 3200	MPa	ISO 527
Tensile Strength at Break	120 / 74	MPa	ISO 527
Tensile Elongation at Break	5 / 10	%	ISO 527
Impact Strength (Charpy, 23°C)	86 / 85	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	40 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6.5 / 11	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	4 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	246 / *	°C	ISO 75-1/-2
DSC (Melt Point)	265 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.9 - 1.1	%	ISO 294-4
Physical Properties			
Density	1220 / -	kg/m ³	ISO 1183